

## **Enhanced Maintenance Program for Red Hook Ballfields**

The New York City Department of Parks and Recreation (“Parks”) will be implementing the following Enhanced Maintenance Program for the Red Hook softball fields during the permitted playing season until implementation of a long-term remediation action. This program will ensure that any bare soil at the fields will be immediately identified and addressed and that the public is aware that users should wash their hands after playing on the fields. Commissioner Kevin Jeffrey will serve as the primary Parks contact for the activities described below.

### **I. Hygiene Stations**

- a. Placement of portable hygiene stations with handwashing sinks/facilities and boot scrubbers at eight field entrances by opening day 2015. Stations will be in place for the duration of the long-term remedial action.
- b. Stations will be placed at exact locations to be determined by Parks and EPA. Non-potable water signage will be drafted by City Health and placed at each station.
- c. Parks will ensure regular inspection, maintenance, and service of stations and provide EPA with weekly updates as part of a weekly report to EPA on the status of the ballfields.
- d. Parks will investigate possible need for more permanent hygiene stations, including the possibility of adapting EPA sinks.

### **II. Preparation of for Public Use in Spring Prior to Public Use**

- a. Infield Areas: Add and level five cubic yards of clay to each infield. This is roughly equivalent to one inch of clay fill cover. Leave 3 additional cubic yards of clay and sand mixture per field for continued maintenance through the season.
- b. Grass Areas on block:
  - i. Parks will spike aerate all grass areas and inspect for bare soil:
    1. Areas significantly void of grass, Parks will conduct hydroseeding or hand-seeding in throughout the block where necessary. Areas treated with hydroseeding will be closed to the public for 21-28 days to allow for initial establishment of grass.
    2. Established lawn areas requiring minor fill-in, Parks will over-seed; fertilize; replace top soil as needed; and water regularly. Affected lawn areas will be closed to the public for 21-28 days after seeding to allow for regrowth.
- c. Parks will place at least one inch of clay or mulch under bleacher seating at entrances and sideline areas.

### III. Preparation of Fields in Fall

- a. All Grass Areas on Block: Spike aeration; hydroseed; mulch and fertilize. Add one inch minimum of topsoil. Close off field entrances with snow fence to allow root systems to grow.

### IV. Inspections

- a. Parks will conduct regularly scheduled inspections every 7 days. Inspectors must complete an inspection and monitoring form, attached to this document as Exhibit B. This document will require photographic support of all findings, and serve as a record to indicate that all necessary work has been completed.
- b. Clay coverage: Inspectors must confirm that all clay is at normal levels, and there is no need for replenishment.
- c. Grass/vegetative coverage: Inspectors must confirm that each grass area maintains 100% coverage, and that no bare soil is exposed.
- d. Concrete Entrances: Inspectors must confirm that the concrete pad remains intact and is not damaged. Parks will caulk cracked concrete within park.

### V. Rapid Treatment of Bare Soil:

- a. Parks will immediately implement one of the following measures to address bare soil as soon discovered (as appropriate):
  - i. Manual Seeding: Small areas will be manually seeded and covered with top soil.
  - ii. Hydroseeding. Large areas will be closed to the public, using high-visibility snow fencing or chain link fencing, for 21-28 days to allow for regrowth.
  - iii. Clay Cover: One inch of clay cover will be placed on bare infield soil where necessary.
  - iv. Mulch Cover: One inch of mulch will be placed over bare soil.

### VI. Signage:

- a. EPA/City signage will be placed at all entrances informing the public of recent activities and findings at the ballfields, and recommending that park users wash their hands and clean shoes after playing outdoors.
- b. Signage will be placed at all entrances directing park users to wash hands at the portable hygiene stations, and clean shoes with the boot scrubbers, after outdoor

play, and also provide directions to the nearest comfort station. The portable hygiene stations will have “non-potable water” signs.

## VII. Public Notice

- a. The City will participate with EPA in communications with elected officials, park users, community groups, and the general public regarding actions at the site. This will include providing a schedule of planned remediation, contacts, and materials for communications to user groups.
- b. On a monthly basis, Parks will present to the appropriate full committee or subcommittee of the affected Community Board(s) a summary of the inspection results and actions taken at the softball fields.
- c. Parks will post similar information on its website for Red Hook Park.

## VIII. Reports to EPA

- a. Parks will provide EPA daily progress reports either verbally or via email until a week after installation of the portable hygiene stations. After that, reports will be made weekly.
- b. While the fields are open for play, Parks will submit a weekly report to EPA that will include the results of all inspections conducted since the last report (in the form of the attached Monitoring and Inspection Reports); a synopsis of the work conducted since last report including all corrective actions taken to address inspection findings; and a description of the actions planned for the next week.

## EXHIBIT A

### Red Hook Ballfields: Maintenance Plan Checklist

Name and title	
Contact phone number	

SPRING WORK (After snow thawed and drained)	
TASK	
GRASS AREAS	
	Spike aeration with tractor pulled aerator over all grass areas.
	Over-seed with <i>Tri Rye Seed</i> mixed with <i>Wear and Tough Seed</i> .
	Add fertilizer (10-10-10 nitrogen-phosphorus-potassium).
	Add topsoil (1 inch minimum) in areas as needed.
	Watering.
CLAY AREAS	
	Add clay and sand mixture to infield (approximately 5-6 cubic yards per field as needed).
	Level and rake out clay to previous grade.
	Leave 3 cubic yards of clay per field in mound for replenishment of any worn spots during season.
OTHER WORK	
	Replace signs as needed.
	Sweep clear all concrete pads.
	Replace garbage receptacles.
	Activate drinking fountains for season.
FALL WORK (Early November target)	
GRASS AREAS	
	Spike aeration with tractor pulled aerator over all grass areas.
	Hydroseed with <i>Tri Rye Seed</i> mixed with <i>Wear and Tough Seed</i> . Add tactifier (binder), mulch and fertilizer (10-10-10 nitrogen-phosphorus-potassium) with hydroseed.
	Add topsoil (1 inch minimum) in areas as needed.
	Snow fence off field entrances to allow root system to grow.
OTHER WORK	
	Sweep all concrete pads clear.
	Remove garbage receptacles.
	Winterize drinking fountains for off-season.
	Continue weekly inspection as conditions warrant.

## EXHIBIT B

**RED HOOK FIELDS WEEKLY MONITORING REPORT**  
(use with attached map)

<b>REPORT DATE</b>	
<b>FOR WEEKLY PERIOD OF</b>	
<b>NAME AND TITLE OF PERSON COMPLETING REPORT</b>	

MAP LOCATION	LOCATION	CONDITIONS		SPECIFICS/ ACTION TAKEN
C5	CLAY AREA OF BALLFIELD 5	IS CLAY AT NORMAL LEVEL YES NO	ANY WORN OR SUNKEN SPOTS YES NO	
G5	GRASS AREA OF BALLFIELD 5	IS GRASS AREA 90% COVERED? YES NO	ANY WORN OR BARE SPOTS YES NO	
C6	CLAY AREA OF BALLFIELD 6	IS CLAY AT NORMAL LEVEL YES NO	ANY WORN OR SUNKEN SPOTS YES NO	
G6	GRASS AREA OF BALLFIELD 6	IS GRASS AREA 90% COVERED? YES NO	ANY WORN OR BARE SPOTS YES NO	
C7	CLAY AREA OF BALLFIELD 7	IS CLAY AT NORMAL LEVEL YES NO	ANY WORN OR SUNKEN SPOTS YES NO	
G7	GRASS AREA OF BALLFIELD 7	IS GRASS AREA 90% COVERED? YES NO	ANY WORN OR BARE SPOTS YES NO	
C8	CLAY AREA OF BALLFIELD 8	IS CLAY AT NORMAL LEVEL YES NO	ANY WORN OR SUNKEN SPOTS YES NO	
G8	GRASS AREA OF BALLFIELD 8	IS GRASS AREA 90% COVERED? YES NO	ANY WORN OR BARE SPOTS YES NO	
CP	CONCRETE ENTRANCE PAD	IS THE PAD INTACT AND UNBROKEN? YES NO		
PHS*	PORTABLE HYGIENE STATIONS	IN GOOD WORKING ORDER? YES NO		
	IN NEED OF SERVICE Y/N	DESCRIPTION OF SERVICE PROVIDED		FREQUENCY OF SERVICE
PHS 5A				
PHS 5B				
PHS 6A				
PHS 6B				

PHS 7A			
PHS 7B			
PHS 8A			
PHS 8B			

**ACTION TAKEN CODES - SPECIFY AREA ADDRESSED IN SQUARE FEET**

- C- CLAY ADDED; INDICATE HOW MANY INCHES OF DEPTH AND SQUARE FEET COVERED
- S- SEED ADDED MANUALLY - TRI RYE SEED MIXED WITH WEAR AND TOUGH SEED
- TS- TOP SOIL ADDED (WHEN SEEDING) INDICATE HOW MANY INCHES OF DEPTH (1 INCH MINIMUM) AND SQUARE FEET COVERED
- F- FERTILIZER ADDED (10-10-10 NITROGEN, PHOSPHORUS, POTASSIUM)
- HS- HYDRO SEEDING (TYPICALLY OFF-SEASON)
- T- TACTIFIER ADDED (BINDER USED ONLY IF HYDROSEEDING)
- M- MULCH ADDED- (ONLY WHEN HYDROSEEDING)

Indicate on map areas that required action

\*Portable hygiene stations will be inspected daily until patterns of use are established.

Red Hook Fields 5, 6, 7, 8

C5-C8 clay areas; G5-G8 grass areas; CP concrete pad

Indicate on map any location work done and date and attached to weekly report.

